

Title (en)  
DETECTION AND MONITORING OF DOSAGE DELIVERY FOR VAPORIZED WAXES, SOLIDS OR VISCOUS OILS, AND CANNABINOIDS

Title (de)  
ERKENNUNG UND ÜBERWACHUNG DER DOSISVERABREICHUNG VON VERDAMPFTEN WACHSEN, FESTSTOFFEN ODER VISKOSEN ÖLEN UND CANNABINOIDEN

Title (fr)  
Détection et surveillance de distribution de dose pour cires, solides ou huiles visqueuses vaporisés, et cannabinoïdes

Publication  
**EP 3651841 A1 20200520 (EN)**

Application  
**EP 18832825 A 20180711**

Priority  
• US 201762531288 P 20170711  
• US 2018041685 W 20180711

Abstract (en)  
[origin: WO2019014373A1] A sensing module for monitoring dosage delivery of a vaporized material, and a portable vaporization unit including the sensing module, include a light sensor that detects disruptions in a light path across a vapor channel, the disruptions caused by the vaporized material flowing through the vapor channel. The light sensor includes a UV light source, which may emit 370 nm wavelength light, and a UV light detector that converts intensity of incident light in the light path into a signal. A microprocessor of the sensing module compares the signal to a baseline measurement to determine the concentration of a medicament in the vapor; then, using the flow rate and activation time of the device, the microprocessor determines the dosage and can perform monitoring and reporting actions based on the dosage. A measuring circuit measures fluctuations in resistance/impedance of a vaporization element to further determine flow rate and/or dosage.

IPC 8 full level  
**A61M 15/00** (2006.01); **A24F 40/40** (2020.01); **A24F 40/51** (2020.01); **A24F 40/53** (2020.01); **A61M 11/00** (2006.01); **G01N 21/00** (2006.01); **G01N 21/33** (2006.01); **A24F 40/10** (2020.01); **A24F 40/60** (2020.01)

CPC (source: EP US)  
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Designated extension state (EPC)  
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DOCDB simple family (publication)  
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